

What is claimed is:

1. An image processing device comprising:

a scanning unit for obtaining image data by scanning  
5 a document image of a document wherein an image is formed  
on an electronically tagged paper equipped with an electronic  
tag for storing electronic data in a certain part of the paper;  
and

a writing unit for writing the image data obtained by  
10 said scanning unit on the electronic tag of the document as  
archive information of the document image.

2. An image processing device as claimed in claim 1  
further comprising:

a reading unit for reading the archive information of  
15 the electronic tag of the document;

a selecting unit for selecting archive information that  
is used as a basis for extracting a difference among the archive  
information read by said reading unit; and

a differential extracting unit for extracting the  
20 difference between the image data obtained by said scanning  
unit and the image data related to the archive information  
selected by said selecting unit, wherein

said writing unit writes differential image data  
extracted by said differential extracting unit as the archive

information.

3. An image processing device comprising:

a reading unit for reading archive information from an electronic tag of a document wherein an image is formed on an electronically tagged paper equipped with the electronic tag for storing electronic data in a certain part of the paper and the electronic tag stores the archive information of the document image;

a selecting unit for selecting an archive information to be printed among the archive information read by said reading unit; and

a printing unit for printing image data related to the archive information selected by said selecting unit.

4. An image processing device claimed in claim 3 further comprising:

a retrieving unit for retrieving archive information used as a basis for extracting the difference of differential image data when the image data related to the archive information selected by said selecting unit is the differential image data; and

a restoring unit for restoring the original image data by synthesizing the differential image data and the image data related to the archive information retrieved by said retrieving unit, wherein

said printing unit prints the image data restored by said restoring unit.

5. An image processing device comprising:

a reading unit for reading archive information from an  
5 electronic tag of a document wherein an image is formed on  
an electronically tagged paper equipped with the electronic  
tag for storing electronic data in a certain part of the paper  
and the electronic tag stores the archive information of the  
document image;

10 a selecting unit for selecting an archive information  
to be deleted among the archive information read by said reading  
unit; and

a deleting unit for deleting the archive information  
selected by said selecting unit.

15 6. An image processing device claimed in claim 5  
further comprising:

a retrieving unit for retrieving other archive  
information when the archive information selected by said  
selecting unit is used as a basis for extracting the difference  
20 of differential image data related to the other archive  
information, wherein

said deleting unit deletes the archive information  
selected by said selecting unit and the archive information  
retrieved by said retrieving unit.

7. An image processing method comprising:

a scanning step of obtaining image data by scanning a document image of a document wherein an image is formed on an electronically tagged paper equipped with an electronic tag for storing electronic data in a certain part of the paper;  
5 and

a writing step of writing the image data obtained by said scanning step on the electronic tag of the document as archive information of the document image.

10 8. An image processing method as claimed in claim 7 further comprising:

a reading step of reading the archive information of the electronic tag of the document;

a selecting step of selecting archive information that  
15 is used as a basis for extracting a difference among the archive information read by said reading step; and

a differential extracting step of extracting the difference between the image data obtained by said scanning step and the image data related to the archive information  
20 selected by said selecting step, wherein

said writing step writes differential image data extracted by said differential extracting step as the archive information.

9. An image processing method comprising:

a reading step of reading archive information from an electronic tag of a document wherein an image is formed on an electronically tagged paper equipped with the electronic tag for storing electronic data in a certain part of the paper  
5 and the electronic tag stores the archive information of the document image;

a selecting step of selecting an archive information to be printed among the archive information read by said reading step; and

10 a printing step of printing image data related to the archive information selected by said selecting step.

10. An image processing method claimed in claim 9 further comprising:

a retrieving step of retrieving archive information used  
15 as a basis for extracting the difference of differential image data when the image data related to the archive information selected by said selecting step is the differential image data; and

a restoring step of restoring the original image data  
20 by synthesizing the differential image data and the image data related to the archive information retrieved by said retrieving step, wherein

said printing step prints the image data restored by said restoring step.

11. An image processing method comprising:

a reading step of reading archive information from an electronic tag of a document wherein an image is formed on an electronically tagged paper equipped with the electronic tag for storing electronic data in a certain part of the paper and the electronic tag stores the archive information of the document image;

a selecting step of selecting an archive information to be deleted among the archive information read by said reading step; and

a deleting step of deleting the archive information selected by said selecting step.

12. An image processing method claimed in claim 11 further comprising:

a retrieving step of retrieving other archive information when the archive information selected by said selecting step is used as a basis for extracting the difference of differential image data related to the other archive information, wherein

said deleting step deletes the archive information selected by said selecting step and the archive information retrieved by said retrieving step.

13. An image processing program for causing an image processing device to execute:

a scanning step of obtaining image data by scanning a document image of a document wherein an image is formed on an electronically tagged paper equipped with an electronic tag for storing electronic data in a certain part of the paper;

5 and

a writing step of writing the image data obtained by said scanning step on the electronic tag of the document as archive information of the document image.

14. An image processing program as claimed in claim  
10 13 for further causing the image processing device to execute:

a reading step of reading the archive information of the electronic tag of the document;

a selecting step of selecting archive information that is used as a basis for extracting a difference among the archive  
15 information read by said reading step; and

a differential extracting step of extracting the difference between the image data obtained by said scanning step and the image data related to the archive information selected by said selecting step, wherein

20 said writing step writes differential image data extracted by said differential extracting step as the archive information.

15. An image processing program for causing an image processing device to execute:

a reading step of reading archive information from an electronic tag of a document wherein an image is formed on an electronically tagged paper equipped with the electronic tag for storing electronic data in a certain part of the paper  
5 and the electronic tag stores the archive information of the document image;

a selecting step of selecting an archive information to be printed among the archive information read by said reading step; and

10 a printing step of printing image data related to the archive information selected by said selecting step.

16. An image processing program claimed in claim 15 for further causing the image processing device to execute:

a retrieving step of retrieving archive information used  
15 as a basis for extracting the difference of differential image data when the image data related to the archive information selected by said selecting step is the differential image data; and

a restoring step of restoring the original image data  
20 by synthesizing the differential image data and the image data related to the archive information retrieved by said retrieving step, wherein

said printing step prints the image data restored by said restoring step.



17. An image processing program for causing an image processing device to execute:

a reading step of reading archive information from an electronic tag of a document wherein an image is formed on  
5 an electronically tagged paper equipped with the electronic tag for storing electronic data in a certain part of the paper and the electronic tag stores the archive information of the document image;

a selecting step of selecting an archive information  
10 to be deleted among the archive information read by said reading step; and

a deleting step of deleting the archive information selected by said selecting step.

18. An image processing program claimed in claim 17  
15 for further causing the image processing device to execute:

a retrieving step of retrieving other archive information when the archive information selected by said selecting step is used as a basis for extracting the difference of differential image data related to the other archive  
20 information, wherein

said deleting step deletes the archive information selected by said selecting step and the archive information retrieved by said retrieving step.